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### 1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

### 2 [Special issue: AI in engineering](#)

D. Sriram, R. Joobbani

January 1985 **ACM SIGART Bulletin**, Issue 91

Full text available: pdf(8.79 MB)

Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

### 3 [Web content accessibility guidelines 1.0](#)

Wendy Chisholm, Gregg Vanderheiden, Ian Jacobs

July 2001 **interactions**, Volume 8 Issue 4

Full text available: pdf(471.98 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 4 [Conduit cascades and secure synchronization](#)

Simon N. Foley

February 2001 **Proceedings of the 2000 workshop on New security paradigms**

Full text available: pdf(586.27 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann  
August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,  
Volume 8 Issue 4

Full text available:  [pdf\(6.32 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

6 Towards constructive text, diagram, and layout generation for information presentation

John Bateman, Jörg Klein, Thomas Kamps, Klaus Reichenberger  
September 2001 **Computational Linguistics**, Volume 27 Issue 3



Full text available:  [pdf\(3.64 MB\)](#)   
[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Combining elements appropriately within a coherent page layout is a well-recognized and crucial aspect of sophisticated information presentation. The precise function and nature of layout has not, however, been sufficiently addressed within computational approaches; attention is often restricted to relatively local issues of typography and text-formatting, leaving broader issues of layout unaddressed. In this paper we focus on the selection and function of layout in pages that appropriately comb ...

7 Special issue on ill-formed input: Recovery strategies for parsing extragrammatical language

Jaime G. Carbonell, Philip J. Hayes  
July 1983 **Computational Linguistics**, Volume 9 Issue 3-4


Full text available:  [pdf\(2.59 MB\)](#)   
[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Practical natural language interfaces must exhibit robust behaviour in the presence of extragrammatical user input. This paper classifies different types of grammatical deviations and related phenomena at the lexical, sentential and dialogue levels and presents recovery strategies tailored to specific phenomena in the classification. Such strategies constitute a tool chest of computationally tractable methods for coping with extragrammaticality in restricted domain natural language. Some of the ...

8 Risks to the public in computers and related systems


Peter G. Neumann  
April 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 2

Full text available:  [pdf\(2.07 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

9 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam  
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available:  [pdf\(9.17 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**10 Personal distributed computing: the Alto and Ethernet software**

Butler Lampson

January 1986 **Proceedings of the ACM Conference on The history of personal workstations**Full text available:  pdf(3.00 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.

**11 A multistrategy approach to improving pronunciation by analogy**

Yannick Marchand, Robert I. Dampier

June 2000 **Computational Linguistics**, Volume 26 Issue 2Full text available:  pdf(1.59 MB)  [Publisher Site](#)Additional Information: [full citation](#), [abstract](#), [references](#)


Pronunciation by analogy (PbA) is a data-driven method for relating letters to sound, with potential application to next-generation text-to-speech systems. This paper extends previous work on PbA in several directions. First, we have included "full" pattern matching between input letter string and dictionary entries, as well as including lexical stress in letter-to-phoneme conversion. Second, we have extended the method to phoneme-to-letter conversion. Third, and most important, we have experime ...

**12 A tour through cedar**

Warren Teitelman

March 1984 **Proceedings of the 7th international conference on Software engineering**Full text available:  pdf(2.08 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**13 Designing electronic mail systems that people will use**

John McQuillan, David Walden

May 1980 **ACM SIGOA Newsletter**, Volume 1 Issue 2Full text available:  pdf(179.11 KB) Additional Information: [full citation](#)**14 Designing multimedia: Design of multimedia semantic presentation templates: options, problems and criteria of use**

Nicola Aloia, Tullio Bendini, Fabio Paternò, Carmen Santoro

May 1998 **Proceedings of the working conference on Advanced visual interfaces**Full text available:  pdf(2.28 MB)Additional Information: [full citation](#), [abstract](#), [references](#)

This paper presents and discusses the use of Semantic Multimedia Presentation Templates which capture presentation structures that are suitable for communicating semantic data relationships occurring across many applications. The identification of the space of the possible presentation templates along with criteria to evaluate them that depend on the current task, data cardinality and other aspects, is very useful for supporting the automatic generation of effective query result multimedia prese ...

**Keywords:** model-based user interface design, multimedia templates, query result presentation, user tasks

15 Usability improvements in Lotus cc:Mail for Windows

Stacey L. Ashlund, Karen J. Horwitz

April 1996 **Proceedings of the SIGCHI conference on Human factors in computing systems: common ground**

Full text available:  [pdf\(1.70 MB\)](#)  [html\(6.62 KB\)](#) Additional Information: [full citation](#), [index terms](#)

**Keywords:** design process, e-mail, usability engineering, usability testing, user interface design, user-centered design

16 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available:  [pdf\(613.63 KB\)](#)  [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

17 Internet Privacy Enhanced Mail

Stephen T. Kent

August 1993 **Communications of the ACM**, Volume 36 Issue 8

Full text available:  [pdf\(4.82 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** Internet Privacy Enhanced Mail

18 An overview of the Andrew message system

J. Rosenberg, C. F. Everhart, N. S. Borenstein

August 1987 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM workshop on Frontiers in computer communications technology**, Volume 17 Issue 5

Full text available:  [pdf\(1.16 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

19 Interpersonal trust and common ground in electronically mediated communication

Steve Greenspan, David Goldberg, David Weimer, Andrea Basso

December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Full text available:  [pdf\(222.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Communication and commerce by web or phone creates benefits and challenges for both buyer and seller. Websites provide convenience and visualization; telephones provide voice and real-time interaction. To combine key elements of these experiences, we developed PhoneChannel. Using PhoneChannel, a PC user while talking on the telephone can display visuals on the other person's television. How do these different media affect the consumer experience? In a recent laboratory study, prospective ho ...

**Keywords:** WWW, consumers, conversation, telephony, television

**20** Columns: Risks to the public in computers and related systems

Peter G. Neumann

January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1

Full text available:  [pdf\(3.24 MB\)](#) Additional Information: [full citation](#)



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